

CCF Publications and Presentations

- Grah, A., Haake, D., Rosendahl, U., Klatte, J., Dreyer, M. E. "Stability limits of unsteady open capillary channel flow (CCF)," *Journal of Fluid Mechanics* (submitted 2007, first review received, revised version in progress).
- Rosendahl, U., Dreyer, M.E. "Design and performance of an experiment for the investigation of open capillary channel flows," *Exp. Fluids*, 42,683 (2007).
- Dreyer, M. E. "Free Surface Flows under Compensated Gravity Conditions," Series: Springer Tracts in Modern Physics, Vol. 221: Springer-Verlag (2007).
- Haake, D., Rosendahl, U., Ohlhoff, A., Dreyer, M.E. "Flow Rate Limitation in Open Capillary Channel Flows," *New York Academy of Sciences*, 1077, 443 (2006).
- Rosendahl, U., Fechtmann, C., Dreyer, M.E., "Sounding Rocket Experiment on Capillary Channel Flow," *Proceedings of the 17th ESA Symposium on European Rocket and Balloon Programmes and Related Research*, ESA SP-590, May 30 - June 2, Sandefjord, Norway, 2005.
- Ohlhoff, A., Rosendahl, U., Dreyer, M.E. "Test-Case NO 35: Flow Rate Limitation in open Capillary Channels (PE)," *Multiphase Science and Technology* 16.1, 259 (2004).
- Rosendahl, U., Ohlhoff, A., Dreyer, M.E. "Choked flows in open capillary channels: theory, experiment and computations," *Journal of Fluid Mechanics* 518, 187-214 (2004).
- de Lazzer, A., Stange, M., Dreyer, M.E. "Influence of lateral acceleration on capillary interfaces between parallel plates," *Microgravity sci. technol.* 14.4, 3 (2003)
- Rosendahl, U., Ohlhoff, A., Dreyer, M.E., Rath, H. J. "Choked Flows in Open Capillary Channel," *Proc. Appl. Math. Mech.* 2, 328 (2003).
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- Weislogel, M.M., Weir, T., M. Dreyer, "Capillary Solutions: Passive Containment and Transport for Low-g Fluids Systems," *Habitation 2006, Int. Journal for Human Support Research*, Vol. 10, No. 3/4, p. 244, February, 2006.
- Dreyer, M., Weislogel, M.M., "Capillary Channel Flows (CCF): Parametric Regimes for low-g Fluids Transport," *Habitation 2006, Int. Journal for Human Support Research*, Vol. 10, No. 3/4, p. 233, February, 2006.

- Chen, Y., Weislogel, M. M. & Nardin, C. “Capillary-driven flows along rounded interior corners,” *J. Fluid Mech.* 566(2006), 235-271.